

DIGITAL CABLE TV RECEIVER

TV STAR C101



USER MANUAL

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Safety Instructions

This STB has been manufactured to satisfy the international safety standards.

Please read the following safety precautions carefully.

MAIN SUPPLY: AC 220/240V, 50/60Hz, 20W.

OVERLOADING: Do not overload a wall outlet, extension cord or adapter as this may result in fire or electric shock.

Ensure that the power source (socket) is easily accessible.

LIQUIDS: This STB shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the STB.

CLEANING: Disconnect the STB from the main supply before cleaning. Do not use any kind of solvents to clean the STB, only use a soft-dry cloth.

VENTILATION: The slots on top of the STB must be left uncovered to allow proper airflow to the unit.

Ensure a minimum distance of 5cm around the apparatus for sufficient ventilation.

Ensure that the ventilation is not impeded by covering the ventilation openings with items such as newspapers, table-cloths, curtains, etc.

Do not stand the STB on soft furnishings or carpets.

Do not expose the STB to direct sunlight or do not place it near a heater.

Do not stack electronic equipments on top of the STB.

Do not place naked flame sources, such as lighted candles on the apparatus.

ATTACHMENTS: Do not use any unrecommended attachments as these may cause hazard or damage to the STB.

CONNECTION TO THE SATELLITE DISH LNB: Disconnect the STB from the main supply before connecting or disconnecting the cable from the satellite dish.

FAILURE TO DO SO CAN DAMAGE THE LNB.

CONNECTION TO THE TV: Disconnect the STB from the main supply before connecting or disconnecting the cable from TV.

FAILURE TO DO SO CAN DAMAGE THE TV.

EARTHING: The LNB cable MUST BE EARTHED to the system earth for the satellite dish.

LOCATION: Place the STB indoor in order not to expose to lightening , rain or Sunlight.

Use the apparatus only in moderate climates (not in tropical climates).

Battery handling: Batteries may contain toxic agents that are hazardous to the environment. Therefore, dispose of the batteries immediately according to the prevailing statutory regulations. Never throw the batteries in normal household waste.

General Introduction

INTRODUCTION

This manual will help you learn basic functions such as installation, selecting channels and many other functions of the STB. All functions can be operated by the remote control. You can easily install it by selecting "**Installation**" function and upgrade its software through communication cable.

The remote control is designed for easy access to all the functions at once and for comfortable grab for your hand. It is programmed to control all functions and to easily watch TV and Radio programs via the STB.

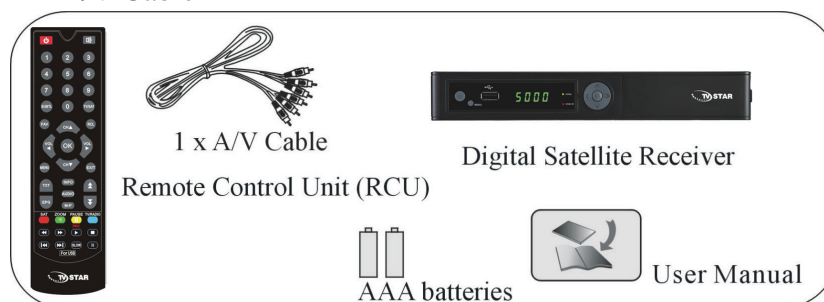
WARNING

Any problems can be caused by the use of unofficial software. The use of software versions other than dealers or distributors official software will void the manufacturer's warranty. It is advised that only the formal software released from dealers or distributors should be used.

UNPACKING

Unpack the unit and check to make sure that all of the following items are included in the packaging.

- 1 x Remote Control Unit (RCU)
- 1 x User Manual
- 2 x AAA batteries
- 1 x Digital Cable TV Receiver
- 1 x A/V Cable



We hope you enjoy using your digital satellite receiver!

Front Panel/ Rear Panel

Front Panel



⏻: Press to switch between Operation and Standby modes.

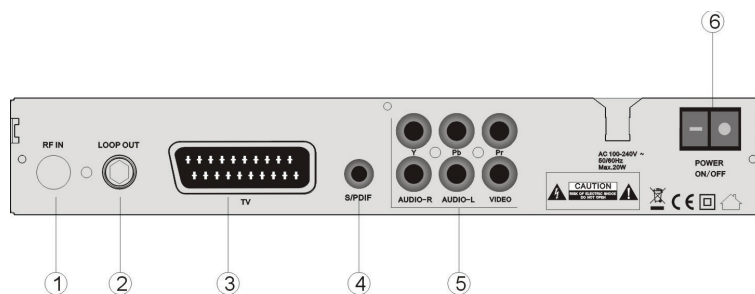
CH: Change channels or items from top to bottom on the menus.

VOL: Increase or Decrease the volume of sound.

OK: Press to proceed of confirmation.

Dimension: 250x 175x 38 (W x D x H)

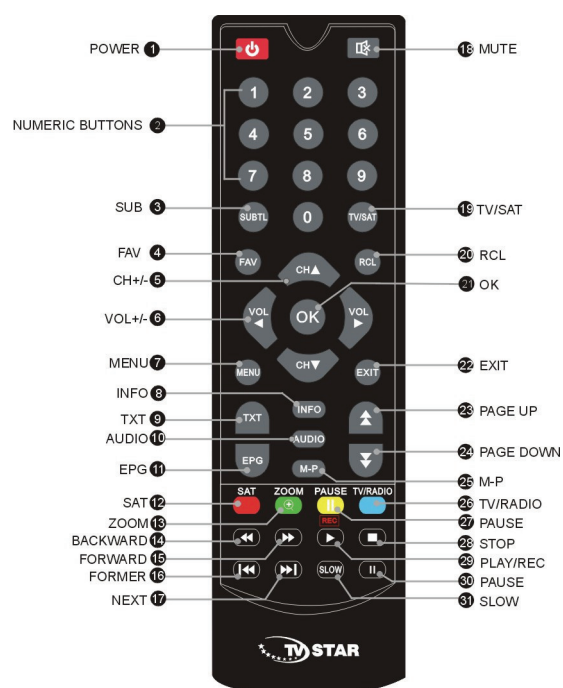
Rear Panel



No.	Symbol	Function
1	RF IN	Use to connect an antenna.
2	LOOP OUTPUT	Use it when connecting to another STB.
3	TV SCART	For the video/audio input of the TV.

4	S/PDIF	Digital audio output.
5	A/V RCA	To connect the Audio/Video RCA output to TV.
6	POWER	Power ON/OFF switch.

Remote Control Unit



1		Switches between Operation and Standby modes.
2	0-9	Changes channels or selects the menu options.
3	SUBTL	Subtitle functions
4	FAV	Selects favorite channel list or current channel list in the view mode. In Edit Channel mode's "Add favorite" menu it changes the right window's channel list.
5	CH (▲/▼)	Changes channels or items from top to bottom on the menu.

6	VOL(◀/▶)	Turns up/down volume.
7	MENU	Moves to main menu during TV viewing.
8	INFO	Displays the program information box on the screen.
9	TXT	Displays TXT information broadcasting from satellite.
10	AUDIO	Changes audio mode to left right and stereo.
11	EPG	Electronic Program Guide button displays the TV/Radio program guide broadcasting by Satellite TV provider.
12	SAT	To display SAT list.
13	ZOOM	Press to Zoom-in and Zoom-out picture.
14	BACKWARD	Press to make playing file backward as speed of x2, x4, x8, and x20 of normal.
15	FORWARD	Press to speed playing to be x2, x4, x8, and x20 of normal.
16	FORMER	Press to select previous "media" archive.
17	NEXT	Press to skip the playing file to play the next file
18	MUTE	Turns sound on or off.
19	TV/SAT	Switch between TV and SAT mode. (This function only valid to Terrestrial TV program that is connected and deliver by Modulator of this STB)
20	RCL	Press to jump to previous channel watched.
21	OK	Displays the channel list and selects the item on the menu.
22	EXIT	Press to exit the current menu.
23	PAGE UP	Press to jump one page up or change EPG program list up.
24	PAGE DOWN	Press to jump one page down or change EPG program list down.
25	MULTI PICTURES	MULTI –PICTURE
26	TV/RADIO	Switches between TV and Radio modes.
27	PAUSE	Pauses to freeze the screen

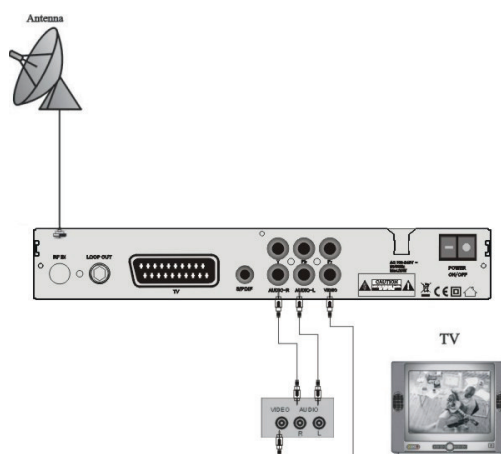
28	STOP	Press to stop file playing.
29	PLAY/REC	Press to play the media files from USB disk, or to start recording TV program.
30	PAUSE	Pauses to freeze the screen.
31	SLOW	Slow down playing speed to be 1/2, 1/4 of normal.

S.T.B Connection

Various equipment and TV/VCR can be connected to STB. This manual will explain common ways to connect to the equipment. If you experience any problem, please contact your sales agency.

1. How to connect the STB to a TV set

- (1) Connect one end of the SCART cable to the TV SCART socket on the back of the STB and the other end to the SCART input socket on your TV.
- (2) Connect A/V RCA cable to A/V output on the STB, and the other end to A/V input socket on your TV.
- (3) Connect the antenna cable to the ANT IN input connector of STB.

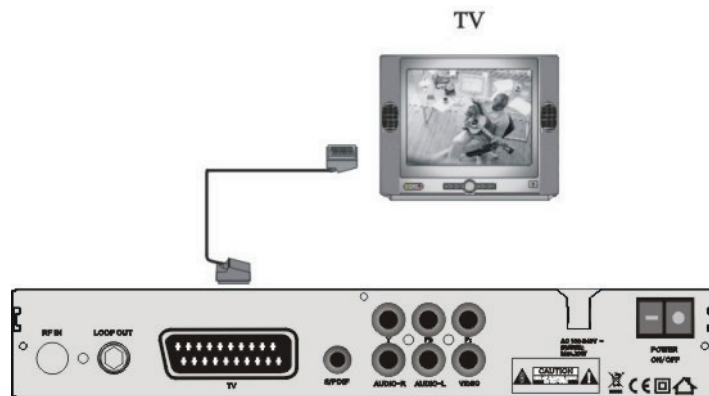


2. How to connect to Terrestrial Antenna

- ☐ Connect the ANT IN socket on STB to a Terrestrial Antenna, for the

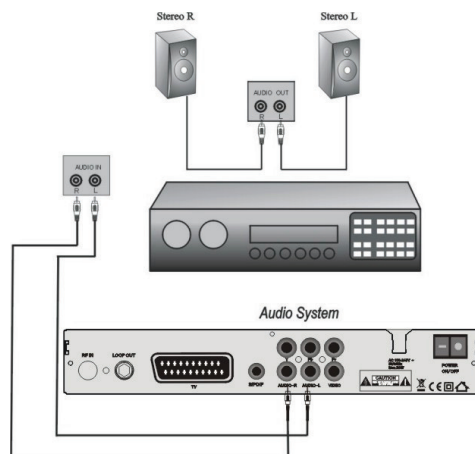
local television broadcasting signal.

- ☐ Connect the TO TV socket to input socket on TV using the coaxial cable.
- ☐ Adjust the Tuning setting of TV to get the Satellite TV program.



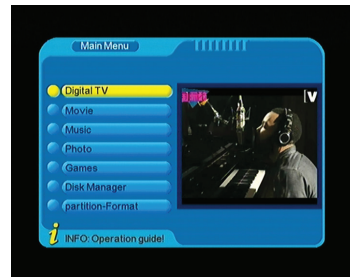
3. How to connect the Audio system

- ☐ Connect the AUDIO R, L socket of the STB to the Audio System like HI-FI, Amplifier, etc..
- ☐ Audio System must capable of stereo audio ability.
- ☐ If Digital Audio or S/PDIF Optical output are available on STB, you can get better stereo experience.



Digital TV

Plug in the STB. Then press the “**power**” button on the remote control or the “**Standby**” button on the STB Front Panel. The Main Menu screen, the beginning of the OSD screen, will appear as shown in the following picture. The Main Menu displays various functions of the STB or you can select with “**CH**” buttons and the numeric buttons on the remote control. To proceed to the next stage, press the “**OK**” button on the remote control.



1. Installation

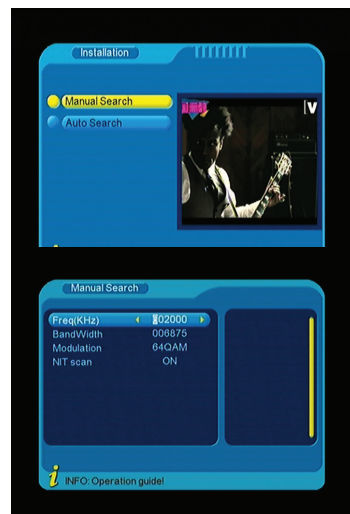
Plug in the STB, and power on, there are foreign languages for your choice, choose the one you prefer. Then, pls press “**Menu**” on the remote control to get started.

To get start the STB, please go to installation menu by pressing “**Menu**” button on the remote control (default lock code: 0000). The installation menu allows you to set the Antenna and various functions, and customize service. Use the “**CH**” buttons on the remote control to select an option and press the “**OK**” button to proceed to enter. To move backwards to the previous stage, press the “**Exit**” or “**Menu**” button.

1.1 Manual Search

Your STB can be easily installed by using “**Installation**” Menu.

Selecting your installed Satellite on the right side, and press “**Vol+**” button to enter into left side, then set all the other figures such as LNB type; Frequency;



22KHz; DiSEqC control; LNB Power and so on, using the "Vol" buttons on the remote control then **Save** the settings.

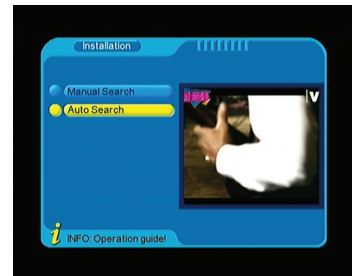
ALL + NIT: To Search out all the Free Channels + Scrambled Channels available in particular Satellite or Transponders including the new transponders that are not preprogrammed in your STB but broadcasting by Satellite Provider.

Then press "OK" button to start searching, while the related menu shows a details info of the scanning status.

1.2 Auto Search

Press "OK" button to select the Satellite that you want to scan and your STB can be installed by up to 4 Satellites through a separated DiSEqC Switch component.

Setting each satellite port to be in accord to each DiSEqC port. Then press SCAN to start searching by numeric order.

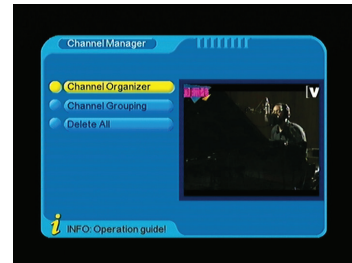


2. Channel Manager

You can easily access to any TV and Radio programs by the variable functions available from this STB, and enjoy your digital entertainment TV fun.

2.1. Channel Organizer

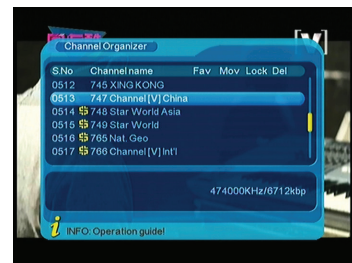
You can organizer the channel list as you want, such as Fav, Mov, Lock, Del functions to operate your TV programs.



Lock: Press OK button to select the channel you wish to Lock, then press blue button, you can lock the selected channel from authorized watching.

Return: Press red button, you can return to previous menu.

Move: Press OK button to select the channel you wish to move, then press Green button to pop-up Move-To menu



and input channel numbers you wish to move, and press OK button again to insert.

Delete: Press OK button to select the channel you wish to delete, then press blue button to delete the selected channel from STB.

2.2 Channel Grouping

In this menu, you can group your TV programmes to news, science, sport, movie, kids, music, fashion and etc.

2.3 Delete all channels

Here you can delete all channel settings before, but you have to input your password in order to protect the channels data.

3. Configuration

With system menu, you can set whatever you want the features and specifications of your STB to be most suitable for your watching programs.

It is very friendly setting for your OSD, TV, System setup, TIME, Wakeup timer and Parental Lock, all this setting can be set up easier in this menu.

Time: To set the local time and date to your STB, then save it.

Time Mode

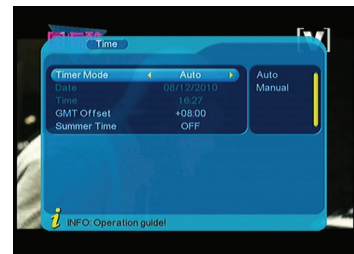
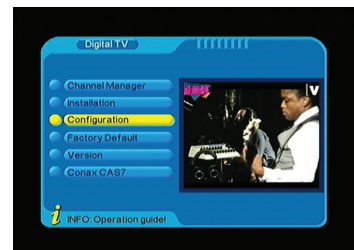
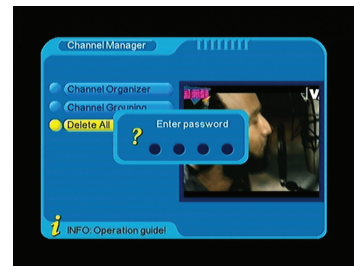
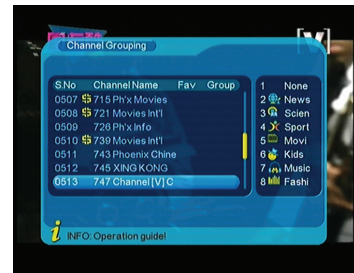
Choose the time mode of you like to.

Local Date

Set the Local Date.

Local Time

Set the Local Time.



Summer Time

If you set summer time to “ON”, then your local time should add one hour more.

GMT offset

Choose the format to display the Date.

Wakeup Timer: In this function, you can setting your Wakeup timer. Such as timer No., timer mode, wakeup mode, wakeup channels, wakeup date and so on.

Parental Control: To prevent the unauthorized Accessing of your STB, you can set the Parental control password to you receiver. (Default password: 0000)

Channel Edit Lock: To lock the Channel Edit menu to prevent unauthorized adjusting of Channel.

Installation Lock: To lock the installation menu to prevent unauthorized adjusting of Installation.

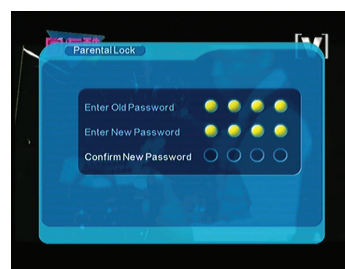
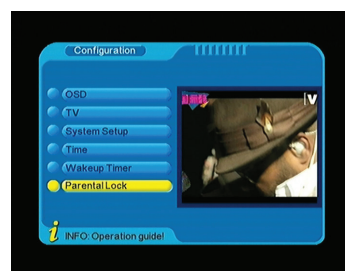
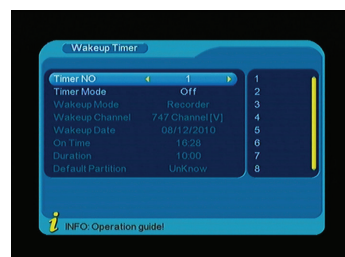
System Setting Lock: To lock the System Setting menu to prevent unauthorized adjusting of System Setting.

Utility Lock: To lock the Utility menu to prevent unauthorized adjusting of Utility.

Channel Lock: To lock the channels to prevent the channels that are not suitable for Children.

Receiver Lock: To lock the receiver to prevent from unauthorized watching.

Factory Default Lock: To lock the Factory Default menu to prevent unauthorized operation.



You can also change the password by input numeric key for NEW Password, and then repeat again to VERIFY Password.

4. Factory Default

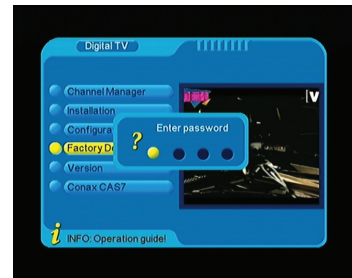
To default the factory settings, by choosing ALL or CHANNELS, and press "OK" button to proceed.

All

To default software settings and channels to be factory settings.

Channel

To default only channel to be factory settings.



5 Version

In this menu, you can check your STB information, like HW/SW information.

6. CONAX CAS7.0

You can easily watching Conax CAS7.0 programs by you digital cable receiver.

First, pls insert your Conax CAS to CA slot on front panel, you can saw Conax cas7.0 in your Digital TV menu. And then you can check or delete all your CAS information here.

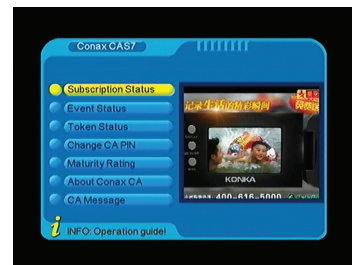


USB

To play multimedia files, games, record program, update software through USB port.

7.1 Movie

Go to USB movie menu, choose path to video files, select one and press "USB Play" or "OK" button to start full screen play. Press "Exit" or "USB Stop" to stop and back to movie menu.



Format supported

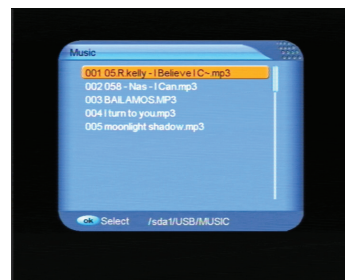
AVI, VOB, MPG, DAT

Backward and forward

Press “Previous”/“Forward” to play backward/forward at max x20 speed.

7.2 Music

Go to USB music menu, choose path to music files, select one and press “USB Play” or “OK” button to start play. Press “Exit” or “USB Stop” to stop and back to music menu.



Format supported

MP3

Backward and forward

Press “Previous”/“Forward” to play backward/forward at max x20 speed.

Skip

Press “Previous” or “Next” button, when playing, to skip to play previous or next music file.

Pause

Press “USB Pause” to freeze music playing, and “USB Play” to resume.

7.3 Photo

Go to USB photo menu, choose path to photo files, for the picture selected, there is preview in right side, and use “OK” button to full screen display. Press “Exit” or “USB Stop” to stop and back to picture menu.

Format supported

JPG

Skip

When display the picture in full screen, use “previous” /“next” buttons to skip to display previous/next picture.

Slide play

When in full screen display, use “USB play” to start slide play. Use “USB pause” to stop, “USB stop” or “Exit” to quit full screen and back to picture menu.

Skip

Press “Previous”/“Next” button, when playing, to skip to play previous/next video file.

Pause

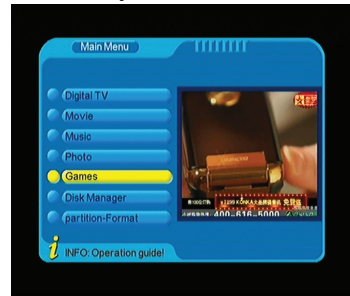
Press “USB Pause” to freeze playing, and “USB Play” to resume.

7.4 USB Game

Go to USB game menu, choose path to Native32 game files, select one and press “OK” to play. Press “Exit” or “USB Stop” to stop and back to USB Game menu.

Format supported

Native32 games (SMF)



You can go to www.native32.com to download more free USB game.

USB Game become Black and White ?

Solution: Make sure the STB TV type set to the same system (PAL; NTSC; AUTO, etc..) of TV Color system.

8.0 PVR

Record favorite TV program to USB device, and review it at anytime in future.



Partition Select

Before to record TV program, connect hard disk to receiver, and go to PVR

partition select menu, choose disk partition, where the recorded file is supposed be saved. Only root directory is available, can't set path to folders.

Start and stop

Press “USB Play” to start recording, “USB STOP” to finish.

Information

Press “Info” button to check details information when recording, such as recorded time, available free memory size etc.

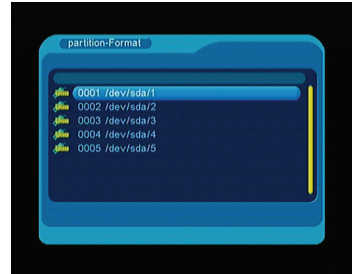
Format of recorded file

Recorded file will be saved in format of MPG.

PVR preview

In PVR preview menu, select recorded file, and press “OK” to preview. Press Yellow button turn to full screen.

In preview menu, the operations of skip, pause, forward, backward, previous, next etc, are not available.



PVR Instruction

Supported Device:

- 1) Most of popular USB2.0 Hard Drive Disk can be supported by our STB, however due to there are too many types of HDD available in the market, if you find one particular HDD can not work with our STB, please kindly provide it to us, and we will be happy to solve it for you in shortest time.
- 2) System required: FAT32
- 3) Speed required: 5400rpm

Instructions to TV program

- 1) Any SD TV program (Standard Definition) with a bit rate lower then 6Mbps can be recorded by this STB.
- 2) During recording, EPG; TXT; Multi AUDIO functions can not be operated.
- 3) Recorded TV program will not support EPG; TXT; Multi AUDIO.

Recording Capacity

- 1) Our STB can support up to 4 partition of one HDD, and theoretically each partition can allow up to 2TByte (2,000Gb), however, we suggest to use one HDD with each partition not bigger than 120Gb
- 2) Each recorded video file will not bigger than 3.8Gb (Approx 4 hours), the STB will automatically create new video file to continue recording your TV program if the recorded video file is bigger than 3.8Gb.

How to choose and set different partition from my HDD ?

Usually there are several partition available in HDD, and our STB can allow you to choose different partition for recording purpose, choose from PVR partition menu, menu of Device List will pop-up, it lists all partitions your HDD has, choose the one you want, and press OK button to save. Then the recorded video file will be stored into this partition.

WARNING

USB1.1 or USB2.0 Key or Stick (Including MP3 player)

- 1) We strongly suggest not to record any TV program by USB Key or Stick, because a huge of different USB Key or Stick are indeed available in the market with different quality level, we do not guarantee any damage of your USB Key or Stick from the attempting recording.
- 2) Do not remove your USB device from STB while it is in use of any USB multimedia function.

Timeshift

Timeshift

9.0 TimeShift



Never miss an Excellent moment of your favorite LIVE Sports or Movie scene, now with WIZ-555 FTA PLUS, you can easily enjoy it with just one press of button.

TIMESHIFT MODE:

Make sure you have USB device plugged into the STB, and there are free storage.

Press TIMESHIFT to pause, the video screen will freeze, and recording will begin.

Press TIMESHIFT again, to continue watching TV show from the point at which it was paused.

Press EXIT to stop TIMESHIFT mode, and return to live program.

TIMESHIFT FUNCTION

During TIMESHIFT mode, you can pause; backward; forward; slow the TV content.

The bigger USB device free storage, the more TV content it can record.

USB Device Speed Checking

Press PAGEDOWN to pop up the Device List, where you can find the speed of your USB Device, RED means it can read, YELLOW means it can RECORD, GREEN means it can TIMESHIFT, it is suggest to use the match speed USB Device to operate each function, otherwise, the function may not performed normally.

Troubleshooting

When you found some problems about this STB, please check the table as below. Because these may not be any serious problems:

Fault Phenomenon	probably reasons	Resolve
Power on, but no display on screen	Please carefully check the power plug, to see it is in socket of wall or not? Is power interrupted?	Put firmly the power plug to the socket on the wall.
Power on this STB, then that screen displays "No signal"	Is the aerial install correct?	Reinstall the aerial and calibrate it
	LNB input is not connect	Connect the LNB
	The transmit station turns off	Attempt until the signal coming again
	The sky wave disturbs the device	Attempt again later
	The program setups are incorrect	Set the proper parameters of received program in the system settings menu
STB plays a strange sound	Due to the channel contain more audio tracks or audio languages	User can use the "Audio" button on the RCU to select the correct audio track or audio languages
USB Game Become Black and White	The TV color sysem setting is not same as STB TV type	Make sure the STB TV system set to the same system (PAL; NTSC; AUTO) of TV system.

Tips: If you refer to this troubleshooting, but no resolve that problem you encountered. Please contact the local dealer or technical support instantly, do not open the machine, because that is very dangerous to you or to the machine in that cases.

Glossary

(1) 22KHz switch

A tone that can be sent via the LNB coax, this tone can control the LNB or switches on the coax cable. Do not interfere with the DC or

22KHz tone that the receiver sends to the dish.

(2) Antenna

A device that collects and radiates electromagnetic waves includes a satellite dish and a broadband antenna.

(3) CVBS

Composite Video Baseband Signal, Standard single-wire video, mixing lum and chroma signals together.

(4) DiSEqC

Digital Satellite Equipment Control, a protocol established by EUTELSAT organization www.eutelsat.com, the most popular standard are DiSEqC 1.0 for Switching solution, DiSEqC 1.2 for Dish actuator solution, and DiSEqC 2.0 for Satellite Receiver solution.

(5) Forward Error Correction (FEC)

A system of error control for data transmission

(6) Frequency

The number of cycles or events per one second, which is expressed in the unit of Hertz(Hz)

(7) Intermediate Frequency (IF)

A frequency to which a carrier frequency is shifted as an intermediate step in transmission or reception

(8) Low Noise Block (LNB) Downconverter

A low noise microwave amplifier and converter which downconverts a range of frequencies to IF range

(9) NTSC

National Television Standards Committee, a video standard established by the United States (RCA/NBC) and adopted by numerous other countries.

(10) PAL

Phase Alternate Line, a video standard used in Europe and other parts of the world for composite color encoding.

(11) Packet Identifier (PID)

A set of numbers that identifies transport stream packets containing data from a single data stream

(12) Polarization

Satellite waves are polarized. They can be linear or circular. Linear polarity is Vertical or Horizontal, circular polarity is Right-hand and Left-hand circular polarity.

(13) Quaternary Phase Shift Keying (QPSK)

Phase-shift keying in which four different phase angles are used.

(14) RF

A frequency that is useful for radio transmission, usually between 10 KHz and 300,000 Mhz.

(15) RGB

Video information in the form of Red, Green and Blue tristimulus values, The combination of three values that representing the intensity of each of the three colors can represent the entire range of visible light.

(16) STB

Set Top Box, another common name of Digital Satellite Receiver, because it usually be put on top of TV in household. This word is used now worldwide.

(17) Symbol Rate

The amount of data transmitted every second.

(18) Transponder (TP)

Equipment in a satellite which receives a single uplink channel from a satellite earth station, amplifies it, converts the frequency and changes the polarization, then broadcasts it back to earth.

(19) Transport Stream

The bit stream formed prior to transmission of signals by combining the video, audio and data streams of one service. It consists of fixed length packets of 188 bytes of data.

Specification

Demodulator	Waveform	16 QAM, 32 QAM, 64 QAM, 128 QAM, 256 QAM
	Symbol Rate	3.0-7.0 MS/s
Audio	Standard	ISO/IEC 13818-3
Decoder	Decoding	MPEG2 & MPEG1 layer I & II

	Mode	Mono, Dual,Stereo,Joint Stereo
	Bit Rate	Max 384kbps
	Sampling Fre.	32,44.1,48KHz
Video Decoder	Standard	ISO/IEC 13818-2
	Profile Level	MPEG-2 MP@ML
	Output level	1.0 Vp-p
	Aspect Ratio	4:3/16:9
	Output	NTSC/PAL
	Active Pixel	729*480@30fps(NTSC);20*567@25fps(PAL)
Tuner	Standard	DVB-C EN300 429
	Input Frequency	50MHz to 860MHz
	Input Level	-10dBV~20dBV
	Input Socket	F type ,FemaleX1
	Output Socket	OUT-IEC 169-1 male
Output Connector	RCA	3x RCA
Mian System	CPU	350Mhz
	Flash	8MB/16MB(serial)
	DDR	64MB
Front panel	Led display	4 xLED
	IR	38Khz
	Smart card	ISO7816, for
Rear panel	RF input	F type,female
	Loop	OUT-IEC 169-1 male
	Rs232	Male, 9pin
	Switch	On/off
Accessory	Rf cable	1.5m
	Power cord	1.2m
	RCA cable	3x RCA, 1.2m
	Battery	1.5vx2
	Book manual	1
General	Supply Voltage	90~270VAC 50/60Hz
	Power Consumption	30 watts Max
	Standby Power	3 watts max.

	Operation Temperature	+5 °C to +40 °C
	Storage Temperature	-20 °C to 70 °C
	Dimension	220mm X124mmx32mm

The manufacturer reserves the right to change the configuration, technical or any other parameters without prior notice.

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